| | Type | Hits | Search Text | DBs |
|---|---|---|---|---|
| 1 | BRS | 1 | "20010008529" | USPAT; US-PGPUB; EPO; JPO |
| 2 | BRS | 475 | atm and (band near control$4) | USPAT; US-PGPUB; EPO; JPO |
| 3 | BRS | 308 | (atm and (band near control$4)) and @ad<20010117 | USPAT; US-PGPUB; EPO; JPO |
| 4 | BRS | 1 | ((((atm and (band near control$4)) and @ad<20010117) and (input near (buffer storage memory))) and (control$4 near (buffer memory storage ))) and (connect$4 near band near controller) | USPAT; US-PGPUB; EPO; JPO |
| 5 | BRS | 3 | ((((atm and (band near control$4)) and @ad<20010117) and (input near (buffer storage memory))) and (control$4 near (buffer memory storage ))) and (connect$4 near band near control$4) | USPAT; US-PGPUB; EPO; JPO |
| 6 | BRS | 65 | (((atm and (band near control$4)) and @ad<20010117) and (input near (buffer storage memory))) and (control$4 near (buffer memory storage )) | USPAT; US-PGPUB; EPO; JPO |
| 7 | BRS | 82 | ((atm and (band near control$4)) and @ad<20010117) and (input near (buffer storage memory)) | USPAT; US-PGPUB; EPO; JPO |
| 8 | BRS | 157 | ((atm and (band near control$4)) and @ad<20010117) and 370/$.ccls. | USPAT; US-PGPUB; EPO; JPO |
| 9 | BRS | 84 | (((atm and (band near control$4)) and @ad<20010117) and 370/$.ccls.) and (input with (buffer storage memory)) | USPAT; US-PGPUB; EPO; JPO |
| 10 | BRS | 51 | (((atm and (band near control$4)) and @ad<20010117) and 370/$.ccls.) and (input near (buffer storage memory)) | USPAT; US-PGPUB; EPO; JPO |
| 11 | BRS | 8 | ((((atm and (band near control$4)) and @ad<20010117) and 370/$.ccls.) and (input near (buffer storage memory))) and (band near data) | USPAT; US-PGPUB; EPO; JPO |

| | Time Stamp | Comments | Error Definition | Errors |
|---|---|---|---|---|
| 1 | 2004/05/20 17:16 | | | 0 |
| 2 | 2004/05/20 17:17 | | | 0 |
| 3 | 2004/05/20 17:17 | | | 0 |
| 4 | 2004/05/20 17:25 | | | 0 |
| 5 | 2004/05/20 17:25 | | | 0 |
| 6 | 2004/05/20 17:27 | | | 0 |
| 7 | 2004/05/20 18:03 | | | 0 |
| 8 | 2004/05/20 18:03 | | | 0 |
| 9 | 2004/05/20 20:05 | | | 0 |
| 10 | 2004/05/20 20:13 | | | 0 |
| 11 | 2004/05/20 20:07 | | | 0 |

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|---|---|---|---|---|---|---|---|
| 1 | ☐ | ☒ | JP 2001203695 A | 20010727 | 13 | ATM CONNECTION BAND CONTROL METHOD | |
| 2 | ☐ | ☒ | US 6738385 B1 | 20040518 | 14 | ATM cell buffer read control system and control method | 370/412 |
| 3 | ☐ | ☒ | US 6473432 B1 | 20021029 | 57 | Buffer control apparatus and method | 370/412 |
| 4 | ☐ | ☒ | US 6389026 B1 | 20020514 | 25 | ATM switching system and cell control method | 370/398 |
| 5 | ☐ | ☒ | US 6091731 A | 20000718 | 8 | Duplication in asychronous transfer mode (ATM) network fabrics | 370/235.1 |
| 6 | ☐ | ☒ | US 6091730 A | 20000718 | 9 | Control of asynchronous transfer mode (ATM) switching networks | 370/395.2 |
| 7 | ☐ | ☒ | US 20010008529 | 20010719 | 19 | ATM connection band control method and control system | 370/395.3 |
| 8 | ☐ | ☒ | US 6445703 B2 | 20020903 | 20 | ATM cell switching system | 370/391 |
| 9 | ☐ | ☒ | US 6463057 B1 | 20021008 | 20 | ATM cell switching system | 370/358 |
| 10 | ☐ | ☒ | US 6122252 A | 20000919 | 33 | Packet switching device and cell transfer control method | 370/235 |
| 11 | ☐ | ☒ | US 6735204 B1 | 20040511 | 47 | ATM cell multiplexing apparatus and ATM cell multiplexing method | 370/395.1 |

| | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 | 4 | 5 | Image Doc. Displayed |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | UKON, SHINICHI | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | JP 2001203695 A |
| 2 | 370/413; 370/415; 370/417 | | Iwamoto, Hiroyuki | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6738385 |
| 3 | 370/419 | | Nishimura, Kazuto et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6473432 |
| 4 | 370/412 | | Kozaki, Takahiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6389026 |
| 5 | 370/218; 370/395.2; 714/6 | | Biegaj, Janus et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6091731 |
| 6 | 370/377 | | Biegaj, Janus et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6091730 |
| 7 | 370/412 | | Ukon, Shinichi | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20010008529 |
| 8 | 370/395.1; 370/401 | | Sakurai, Yoshito et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6445703 |
| 9 | 370/399 | | Kozaki, Takahiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6463057 |
| 10 | 370/235.1; 370/416; 370/418 | | Aimoto, Takeshi et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6122252 |
| 11 | 370/395.21 | | Wang, Cai Dong et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6735204 |

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | ☐ | US 20030179712 A1 | 20030925 | 1116 | CONNECTIONLESS COMMUNICATIONS SYSTEM, ITS TEST METHOD, AND INTRA-STATION CONTROL SYSTEM | 370/249 |
| 2 | ☐ | ☐ | US 20020102937 A1 | 20020801 | 172 | COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT | 455/3.01 |
| 3 | ☐ | ☐ | US 20020098798 A1 | 20020725 | 172 | COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT | 455/3.01 |
| 4 | ☐ | ☐ | US 20020098797 A1 | 20020725 | 171 | ACQUISITION AND TRACKING IN COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT | 455/3.01 |
| 5 | ☐ | ☐ | US 20020098796 A1 | 20020725 | 172 | HYBRID/FIBER COAX VIDEO AND TELEPHONY COMMUNICATION SYSTEM WITH POLY-PHASE FILTERING | 455/3.01 |
| 6 | ☐ | ☐ | US 20020098795 A1 | 20020725 | 172 | COMMUNICATING ERRORS IN A TELECOMMUNICATIONS SYSTEM | 455/3.01 |
| 7 | ☐ | ☐ | US 20010043597 | 20011122 | 20 | ATM CELL SWITCHING SYSTEM | 370/368 |
| 8 | ☐ | ☐ | US 20010032334 A1 | 20011018 | 171 | INGRESS PROTECTION IN A COMMUNICATION SYSTEM WITH ORTHOGONAL CARRIERS | 725/105 |
| 9 | ☐ | ☐ | US 20010017847 A1 | 20010830 | 93 | TRANSMISSION CONTROL METHOD IN A NETWORK SYSTEM FOR INTERACTIVELY TRANSMITTING A SIGNAL BETWEEN NODE DEVICES AND NETWORK SYSTEM USING THE SAME | 370/295 |
| 10 | ☐ | ☐ | US 20010005386 | 20010628 | 19 | ATM cell switching system | 370/538 |
| 11 | ☐ | ☒ | US 6735204 B1 | 20040511 | 47 | ATM cell multiplexing apparatus and ATM cell multiplexing method | 370/395.1 |
| 12 | ☐ | ☐ | US 6731638 B1 | 20040504 | 41 | Switch scheduling with common time reference | 370/395.4 |
| 13 | ☐ | ☐ | US 6683885 B1 | 20040127 | 22 | Network relaying apparatus and network relaying method | 370/423 |
| 14 | ☐ | ☐ | US 6671277 B1 | 20031230 | 21 | Network relaying apparatus and network relaying method capable of high quality transfer of packets under stable service quality control | 370/395.21 |
| 15 | ☐ | ☐ | US 6658003 B1 | 20031202 | 21 | Network relaying apparatus and network relaying method capable of high-speed flow detection | 370/392 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 370/250; 370/368; 710/24 | | KOBAYASHI, YASUSI et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20030179712 |
| 2 | | | DAPPER, MARK J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20020102937 |
| 3 | | | SOLUM, JEFF et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20020098798 |
| 4 | | | BREDE, JEFFREY et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20020098797 |
| 5 | | | DAPPER, MARK J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20020098796 |
| 6 | | | BREDE, JEFFREY et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20020098795 |
| 7 | 370/412 | | KOZAKI, TAKAHIKO et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20010043597 |
| 8 | | | DAPPER, MARK J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20010032334 |
| 9 | 370/480 | | HOJO, KAZUHIKO et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20010017847 |
| 10 | 370/412; 370/477 | | Sakurai, Yoshito et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 20010005386 |
| 11 | 370/395.21 | | Wang, Cai Dong et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6735204 |
| 12 | 370/399; 370/409; 370/413 | | Ofek, Yoram | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6731638 |
| 13 | 370/389; 709/238 | | Sugai, Kazuo et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6683885 |
| 14 | 370/423; 709/238 | | Sugai, Kazuo et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6671277 |
| 15 | 370/422; 370/428; 709/238 | | Sugai, Kazuo et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6658003 |

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| 16 | ☐ | ☐ | US 6650642 B1 | 20031118 | 22 | Network relaying apparatus and network relaying method capable of high-speed routing and packet transfer | 370/392 |
| 17 | ☐ | ☐ | US 6606351 B1 | 20030812 | 173 | Ingress protection in a communication system with orthogonal carriers | 375/222 |
| 18 | ☐ | ☐ | US 6603822 B2 | 20030805 | 173 | Communicating errors in a telecommunications system | 375/340 |
| 19 | ☐ | ☐ | US 6594322 B2 | 20030715 | 175 | Method of distributed loop control for a multicarrier telephony transport | 375/330 |
| 20 | ☐ | ☐ | US 6535715 B2 | 20030318 | 169 | Hybrid/fiber coax video and telephony communication system with poly-phase filtering | 455/3.05 |
| 21 | ☐ | ☐ | US 6510229 B1 | 20030121 | 173 | Communication system with multicarrier telephony transport | 380/235 |
| 22 | ☐ | ☐ | US 6493350 B2 | 20021210 | 87 | Transmission control method in a network system for interactively transmitting a signal between node devices and network system using the same | 370/420 |
| 23 | ☐ | ☐ | US 6487405 B1 | 20021126 | 170 | Communication system with multicarrier telephony transport for controlling a plurality of service units | 455/424 |
| 24 | ☐ | ☐ | US 6477354 B1 | 20021105 | 174 | Communication system transmitting modulated orthogonal carries with service units that scan spectrum to identify assigned band | 455/7 |
| 25 | ☐ | ☐ | US 6467092 B1 | 20021015 | 174 | Method for adjusting power in a communication system with multicarrier telephony transport | 725/131 |
| 26 | ☐ | ☒ | US 6463057 B1 | 20021008 | 20 | ATM cell switching system | 370/358 |
| 27 | ☐ | ☒ | US 6445703 B2 | 20020903 | 20 | ATM cell switching system | 370/391 |
| 28 | ☐ | ☐ | US 6434583 B1 | 20020813 | 170 | Fast fourier transform apparatus and method | 708/409 |
| 29 | ☐ | ☐ | US 6424989 B1 | 20020723 | 24 | Object-oriented transaction computing system | 709/201 |
| 30 | ☐ | ☐ | US 6418558 B1 | 20020709 | 177 | Hybrid fiber/coax video and telephony communication | 725/129 |
| 31 | ☐ | ☐ | US 6415133 B1 | 20020702 | 174 | Acquisition and tracking in communication system with multicarrier telephony transport | 455/3.05 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 370/422; 370/428; 709/238 | | Sugai, Kazuo et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6650642 |
| 17 | | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6606351 |
| 18 | 398/99 | | Brede, Jeffrey et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6603822 |
| 19 | 375/344 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6594322 |
| 20 | 370/210; 370/484; 455/3.01 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6535715 |
| 21 | 348/723; 370/389; 709/202; 710/8 | | Geile, Michael J. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6510229 |
| 22 | 370/431; 398/75 | | Hojo, Kazuhiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6493350 |
| 23 | 235/380; 341/100; 370/342; 370/395.1; 370/401; 379/56.2; 725/105 | | Dapper, Mark J. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6487405 |
| 24 | 370/342; 370/474; 379/212.01 | | Roberts, Harold A. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6477354 |
| 25 | | | Geile, Michael J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6467092 |
| 26 | 370/399 | | Kozaki, Takahiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6463057 |
| 27 | 370/395.1; 370/401 | | Sakurai, Yoshito et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6445703 |
| 28 | 708/622 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6434583 |
| 29 | 718/102; 719/315 | | Shaw, Venson M. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6424989 |
| 30 | 725/106; 725/128 | | Roberts, Harold A. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6418558 |
| 31 | 455/561; 725/143 | | Brede, Jeffrey et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6415133 |

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| 32 | ☐ | ☐ | US 6401243 B1 | 20020604 | 40 | Two-way information transmission system, two-way information transmission method, and subscriber terminal | 725/86 |
| 33 | ☐ | ☐ | US 6396831 B1 | 20020528 | 19 | ATM cell switching system | 370/358 |
| 34 | ☐ | ☐ | US 6366585 B1 | 20020402 | 179 | Distributed control in a communication system | 370/409 |
| 35 | ☐ | ☐ | US 6349297 B1 | 20020219 | 24 | Information processing system for directing information request from a particular user/application, and searching/forwarding/retrieving information from unknown and large number of information resources | 707/4 |
| 36 | ☐ | ☐ | US 6339596 B1 | 20020115 | 20 | ATM cell switching system | 370/395.7 |
| 37 | ☐ | ☐ | US 6336201 B1 | 20020101 | 174 | Synchronization in a communications system with multicarrier telephony transport | 714/755 |
| 38 | ☐ | ☐ | US 6334219 B1 | 20011225 | 180 | Channel selection for a hybrid fiber coax network | 725/106 |
| 39 | ☐ | ☐ | US 6333932 B1 | 20011225 | 1076 | Connectionless communications system, its test method, and intra-station control system | 370/389 |
| 40 | ☐ | ☐ | US 6330241 B1 | 20011211 | 177 | Multi-point to point communication system with remote unit burst identification | 370/395.1 |
| 41 | ☐ | ☐ | US 6330240 B1 | 20011211 | 20 | ATM cell switching system | 370/395.7 |
| 42 | ☐ | ☐ | US 6292651 B1 | 20010918 | 175 | Communication system with multicarrier transport distribution network between a head end terminal and remote units | 725/106 |
| 43 | ☐ | ☐ | US 6285675 B1 | 20010904 | 22 | ATM cell switching system | 370/391 |
| 44 | ☐ | ☐ | US 6282683 B1 | 20010828 | 175 | Communication system with multicarrier telephony transport | 714/746 |
| 45 | ☐ | ☐ | US 6282198 B1 | 20010828 | 15 | Frequency band control device with cell conflict control | 370/395.21 |
| 46 | ☐ | ☐ | US 6279158 B1 | 20010821 | 173 | Dynamic bandwidth allocation | 725/126 |
| 47 | ☐ | ☐ | US 6275990 B1 | 20010814 | 175 | Transport of payload information and control messages on multiple orthogonal carriers spread throughout substantially all of a frequency bandwith | 725/106 |

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| 32 | 725/8; 725/97 | | Suzuki, Mitsuhiro | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6401243 |
| 33 | 370/399 | | Kozaki, Takahiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6396831 |
| 34 | 370/453; 370/474; 455/562.1 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6366585 |
| 35 | 709/218; 719/320 | | Shaw, Venson M. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6349297 |
| 36 | | | Kozaki, Takahiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6339596 |
| 37 | 370/401 | | Geile, Michael J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6336201 |
| 38 | 341/100; 370/280; 375/235; 375/286 | | Hill, Terrance J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6334219 |
| 39 | 370/253; 370/351; 370/360; 370/377; 370/432; 370/471 | | Kobayasi, Yasusi et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6333932 |
| 40 | 709/217 | | Fort, Michael J. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6330241 |
| 41 | | | Kozaki, Takahiko et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6330240 |
| 42 | 370/342; 455/562.1; 725/114 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6292651 |
| 43 | 370/398; 370/535 | | Sakurai, Yoshito et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6285675 |
| 44 | 714/752; 714/776 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6282683 |
| 45 | | | Hagio, Masami | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6282198 |
| 46 | 370/458; 370/474; 370/480 | | Geile, Michael J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6279158 |
| 47 | 375/260 | | Dapper, Mark J. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6275990 |

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| 48 | ☐ | ☐ | US 6233590 B1 | 20010515 | 24 | Server apparatus for distributed communications supporting multiple user/application environment | 715/500 |
| 49 | ☐ | ☐ | US 6215788 B1 | 20010410 | 20 | ATM cell switching system | 370/391 |
| 50 | ☐ | ☐ | US 6169570 B1 | 20010102 | 39 | Two-way information transmission system, two-way information method, and subscriber terminal device | 725/105 |
| 51 | ☐ | ☐ | US 6163528 A | 20001219 | 11 | Selective cell discard system in ATM switch | 370/236 |
| 52 | ☐ | ☐ | US 6151598 A | 20001121 | 31 | Digital dictionary with a communication system for the creating, updating, editing, storing, maintaining, referencing, and managing the digital dictionary | 707/3 |
| 53 | ☐ | ☒ | US 6122252 A | 20000919 | 33 | Packet switching device and cell transfer control method | 370/235 |
| 54 | ☐ | ☒ | US 6091731 A | 20000718 | 8 | Duplication in asychronous transfer mode (ATM) network fabrics | 370/235.1 |
| 55 | ☐ | ☒ | US 6091730 A | 20000718 | 9 | Control of asynchronous transfer mode (ATM) switching networks | 370/395.2 |
| 56 | ☐ | ☐ | US RE36751 E | 20000627 | 20 | ATM switching system connectable to I/O links having different transmission rates | 370/378 |
| 57 | ☐ | ☐ | US 6069892 A | 20000530 | 28 | Fixed-length cell transmission system, fixed-length cell transmitting unit, and fixed-length cell receiving unit | 370/395.5 |
| 58 | ☐ | ☐ | US 6016317 A | 20000118 | 21 | ATM cell switching system | 370/391 |
| 59 | ☐ | ☐ | US 5983004 A | 19991109 | 25 | Computer, memory, telephone, communications, and transportation system and methods | 709/227 |
| 60 | ☐ | ☐ | US 5953318 A | 19990914 | 48 | Distributed telecommunications switching system and method | 370/236 |
| 61 | ☐ | ☐ | US 5943047 A | 19990824 | 35 | Two-way information transmission system, two-way information transmission method and subscriber terminal device | 345/719 |
| 62 | ☐ | ☐ | US 5867712 A | 19990202 | 29 | Single chip integrated circuit system architecture for document instruction set computing | 717/127 |

| | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 | 4 | 5 | Image Doc. Displayed |
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| 48 | 715/530 | | Shaw, Venson M. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6233590 |
| 49 | 370/395.7; 370/398 | | Sakurai, Yoshito et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6215788 |
| 50 | 725/87 | | Suzuki, Mitsuhiro | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6169570 |
| 51 | 370/395.21; 370/395.61; 370/413 | | Nagamoto, Mamoru | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6163528 |
| 52 | 707/100; 712/1; 712/200; 715/532 | | Shaw, Venson M. et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6151598 |
| 53 | 370/235.1; 370/416; 370/418 | | Aimoto, Takeshi et al. | ☒ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | US 6122252 |
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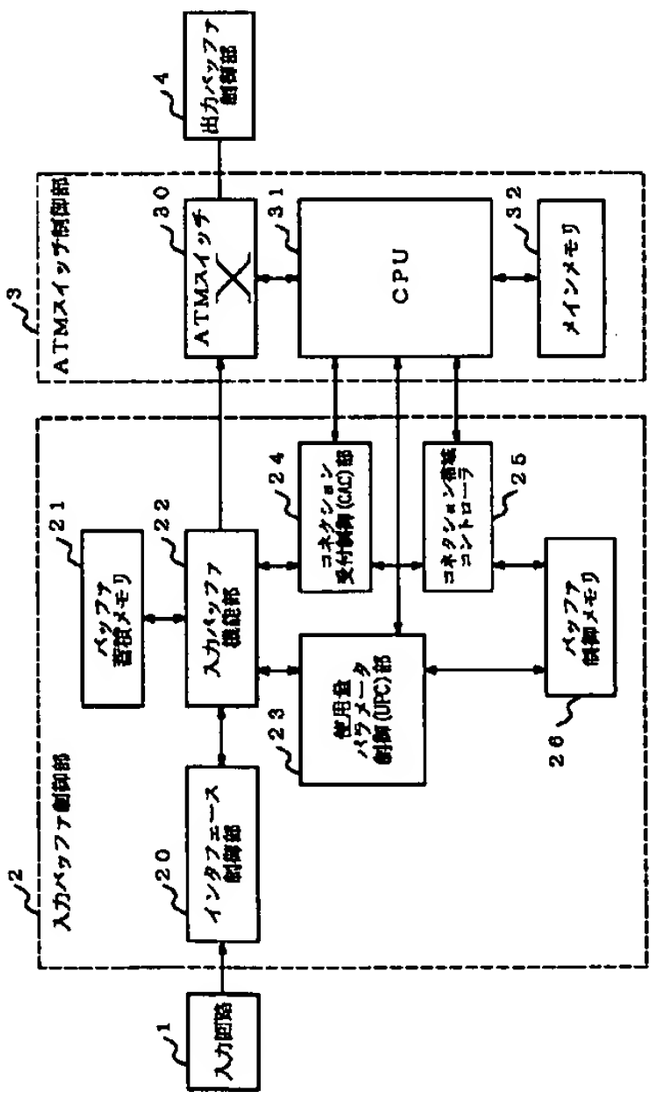
(54)【発明の名称】　ＡＴＭコネクション帯域制御方法

(57)【要約】
【課題】ＡＴＭ回線ポート毎のコネクション帯域を効率的に利用する。
【解決手段】ＡＴＭセルをバッファ蓄積メモリへ書き込む制御やバッファのキュー管理を行う入力バッファ機能部２２と、通信中のユーザのトラフィックがＳＶＣ設定要求時に申告した帯域を超過していないか監視する使用量パラメータ制御部２３と、発呼端末からのＣＢＲ、ＶＢＲの新規ＳＶＣについてのコネクション設定要求シグナリング受信時その要求を受け付けるかどうかを制御するコネクション受付制御部２４と、コネクション受付制御部２４の制御動作に必要となるＳＶＣのコネクション帯域データやＡＴＭ回線ポートの使用可能帯域など他のコネクション受付制御に必要なデータの管理や判断制御を行うコネクション帯域コントローラ２５とを有し、帯域設定したＳＶＣ向けの帯域が常に確保・保証される範囲でのＳＶＣのコネクション帯域制御を行う。



PAT-NO: JP02001203695A

DOCUMENT-IDENTIFIER: JP 2001203695 A

TITLE: ATM CONNECTION BAND CONTROL METHOD

PUBN-DATE: July 27, 2001

INVENTOR-INFORMATION:

| NAME | COUNTRY |
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| UKON, SHINICHI | N/A |


INT-CL (IPC): H04L012/28

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an ATM connection band control method by
which a connection band for each ATM channel port can efficiently be utilized.

SOLUTION: An input buffer control section is provided with an input buffer
function section 22 that controls write of an ATM cell to a buffer storage memory and manages queues of the buffer, a consumed amount parameter control
section 23 that monitors whether or not traffic of a user making communication
exceeds a frequency band applied at an SVC setting request, a connection reception control section 24 that controls whether or not a request is to be received at the reception of a connection setting request signaling as to a new
SVC of CBR and VBR from a caller terminal, and a connection band

controller 25
that manages data required for other connection reception control such as SVC
connection band data and an available band of an ATM channel port required for
the control operation of the connection reception control section 24 and conducts discrimination control. Then the connection band for the SVC is controlled within a range where the band for the SVC whose band is set can always be ensured and warranted.

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Abstract Text - FPAR (1):
PROBLEM TO BE SOLVED: To provide an ATM connection band control method by
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Abstract Text - FPAR (2):
SOLUTION: An input buffer control section is provided with an input buffer
function section 22 that controls write of an ATM cell to a buffer storage memory and manages queues of the buffer, a consumed amount parameter control
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the control operation of the connection reception control section 24 and conducts discrimination control. Then the connection band for the SVC is controlled within a range where the band for the SVC whose band is set can always be ensured and warranted.

Application Date - APD (1):
20000118

Title of Patent Publication - TTL (1):
ATM CONNECTION BAND CONTROL METHOD

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